

U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE		DATE: 24 March 2005 (24.03.2005)
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLN. NO. (if known): Not Yet Assigned 10/1529169
INTERNATIONAL APPLICATION NO.: PCT/KR2003/002081	INTERNATIONAL FILING DATE: 09 October 2003 (09.10.2003)	PRIORITY DATE CLAIMED: 09 October 2002 (09.10.2002)
TITLE OF INVENTION: NOVEL FULL-LENGTH GENOMIC RNA OF JAPANESE ENCEPHALITIS VIRUS, INFECTIOUS JEV CDNA THEREFROM, AND USE THEREOF		
APPLICANT(S) FOR DO/EO/US: LEE, Young-Min; YUN, Sang-Im; LEE, Seung Han		
Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 USC 371(f) The submission must include items(5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)):</p> <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) <p>6. <input type="checkbox"/> A English translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
ITEMS 11 to 20 BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A FIRST preliminary amendment.</p> <p>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter2 and 35 USC 1821 - 1825</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 USC 154(d)(4)</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 USC 154(d)(4)</p> <p>20. <input checked="" type="checkbox"/> Other items or information: TRANSMITTAL FORM; FEE CALCULATION; COVER SHEET OF INTERNATIONAL PUBLICATION WO 2004/033690 A1 WITH INTERNATIONAL PUBLICATION DATE 09 OCTOBER 2003 WHICH CONSISTS OF 308 PAGES INCLUDING 2 COVER PAGES, 116 PAGES TEXTUAL SPECIFICATION, 2 PAGES RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT; 6 PAGES OF 28 CLAIMS; 1 PAGE OF THE ABSTRACT; 16 SHEETS DRAWINGS; 165 PAGES SEQUENCE LISTING; EXECUTED INVENTOR'S DECLARATION; EXECUTED ASSIGNMENT WITH RECORDATION COVER SHEET.</p>		

U.S. APPLICATION NO. (if known) for which assigned 10/529169	INTERNATIONAL APPLICATION NO. PCT/KR2003/002081	DATE: 24 March 2005 (24.03.2005)	
<p>17. <input checked="" type="checkbox"/> The following fees are submitted:</p> <p>Basic National Fee (37 CFR 1.492(a)(1)-(5): National Stage Search Fee and National Stage Examination Fee:.....\$1,000.00</p>		<u>CALCULATIONS</u>	<u>PTO USE ONLY</u>
		\$ 1000.00	
ENTER APPROPRIATE BASIC FEE AMOUNT =		\$ 1,000.00	
<p>Surcharge of \$130.00 for furnishing the oath or declaration later than <u>20</u> <u>30</u> months from the earliest claimed priority date (37 CFR 1.492(e)).</p>		\$	
CLAIMS			
NO. FILED	NO. EXTRA	RATE	
TOTAL	28-20=	8	X \$ 50.00
INDEPENDENT	3 - 3=	0	X \$ 200.00
Multiple dependent claims(s) (if applicable)		+ \$360.00	\$ 0.00
TOTAL OF ABOVE CALCULATIONS =		\$ 1,400.00	
Reduction by 2 for asserting small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).		\$ -700.00	
SUBTOTAL =		\$ 700.00	
Processing fee of \$130.00 for furnishing the English translation later than <u>20</u> <u>30</u> months from the earliest claimed priority date (37 CFR 1.492(f)).		\$ 0.00	
TOTAL NATIONAL FEE =		\$ 700.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +		\$ 40.00	
NATIONAL STAGE APPLICATION SIZE FEE = for each 50 sheets that exceeds 100 sheets (for a small entity) 5 x \$125		\$ 625.00	
TOTAL FEES ENCLOSED =		\$ 1,365.00	
		Amount to be: refunded charged	\$ \$

U.S. APPLICATION NO. (if known) not yet assigned 107529169	INTERNATIONAL APPLICATION NO. PCT/KR2003/002081	DATE: 24 March 2005 (24.03.2005)
---	--	-----------------------------------

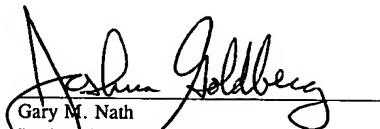
- a. Two checks in the aggregate amount of \$ 1,365.00 to cover the above fees are enclosed.
- b. Please charge my Deposit Account No. 14-0112 in the amount of \$_____ to cover the above fees. (A duplicate copy of this sheet is enclosed.)
- c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0112.
- d. Fees are to be charged to a credit card ____ WARNING: Information on this form may become public ____ Credit Card Information should not be included on this form. ____ Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.

Send All Correspondence To:

Gary M. Nath
NATH & ASSOCIATES PLLC
1030 15th Street, N.W.
Sixth Floor
Washington, D.C. 20005

(202) 775-8383 (phone)
(202) 775-8396 (fax)



Gary M. Nath
Registration Number 26,965
Joshua B. Goldberg
Registration No. 44,126
Customer No. 20529

10/529169
MAIL STOP PCT

Attorney Docket No. 26689U

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

LEE et al.

International Application No. PCT/KR2003/002081

Serial No. NOT YET ASSIGNED

International Filing Date: 09 October 2003 (09.10.2003)

Filed: March 24, 2005

For: NOVEL FULL-LENGTH GENOMIC RNA OF JAPANESE ENCEPHALITIS
VIRUS, INFECTIOUS JEV CDNA THEREFROM, AND USE THEREOF

TRANSMITTAL LETTER

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

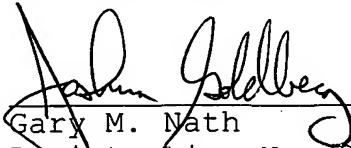
Submitted herewith for filing in the U.S. Patent and Trademark Office is the following:

- (1) Transmittal Letter
- (2) Transmittal Letter To U.S. Designated/Elected Office (DO/EO/US) Concerning Filing under 35 U.S.C. 371
- (3) International Publication No: WO 2004/033690A1
International Publication Date: 22 April 2004 (22.04.2004)
which consists of 308 pages including:
 2 Cover Pages,
 116 pages Textual Specification,
 2 pages Receipt in The Case of An Original Deposit
 6 pages of 28 Claims,
 1 page of the Abstract,
 16 sheets of Drawings,
 165 pages Sequence Listing;
- (4) Executed Inventor's Declaration;
- (5) Executed Assignment and Recordation Cover Sheet;
- (6) Check No. 22802 \$ 1,325.00 for National Stage fee(\$150),
Search Fee(\$250), Examination fee(\$100), extra claims fee
(\$200) and additional sheets fee(\$625) as a small entity;
- (7) Check No. 22801 \$ 40.00 for recordation fee;
- (8) Postcard for early notification of serial number.

Respectfully submitted,

NATH & ASSOCIATES PLLC

By:


Gary M. Nath
Registration No. 26,965
Joshua B. Goldberg
Registration No. 44,126
Customer No. 20529

Date: March 24, 2005

NATH & ASSOCIATES PLLC

1030th 15th Street, NW - 6th Floor

Washington, D.C. 20005

GMN/JBG/dd/PCT.NATLphase.TL